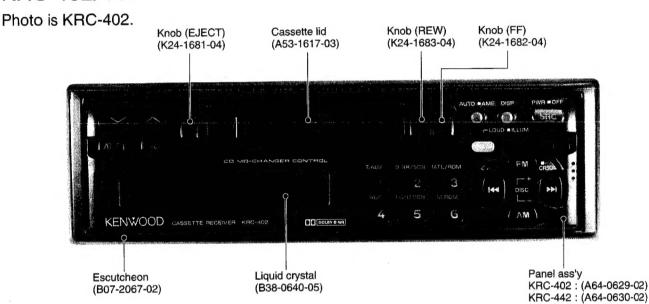
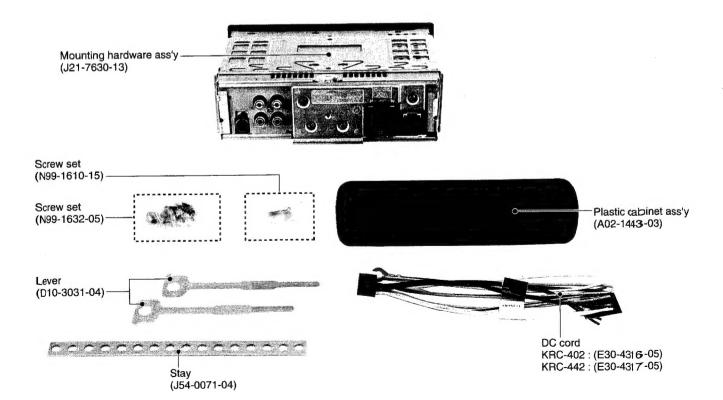
CASSETTE RECEIVER KRC-202/222/302/332 /402/442 SERVICE MANUAL

© 1995-12 PRINTED IN KOREA B51-6926-00 (K) 1788

The MECHANISM OPERATION DESCRIPTION is the same as model KRC-401/441. Please refer to the service manual for model KRC-401/441 (B51-6791-00). +43443

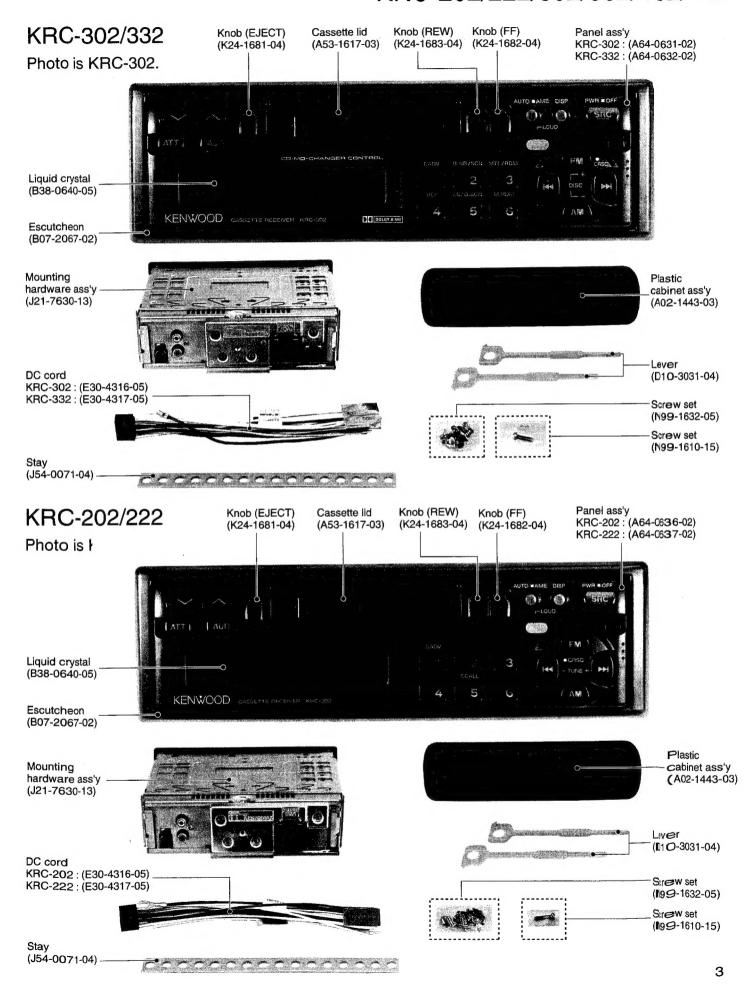
KRC-402/442



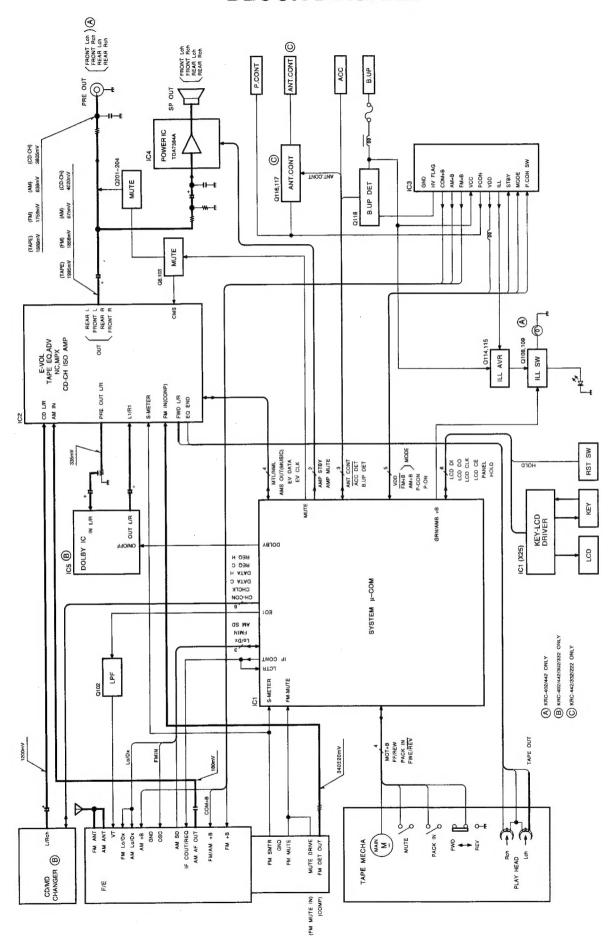


CONTENTS

BLOCK DIAGRAM	4
CIRCUIT DESCRIPTION	
ADJUSTMENT	
PC BOARD	
SCHEMATIC DIAGRAM	
EXPLODED VIEW (MECHANISM)	25
EXPLODED VIEW (UNIT)	26
PARTS LIST	28
SPECIFICATIONS	BACK COVER



BLOCK DIAGRAM



KRC-202/222/302/332/402/442 CIRCUIT DESCRIPTION

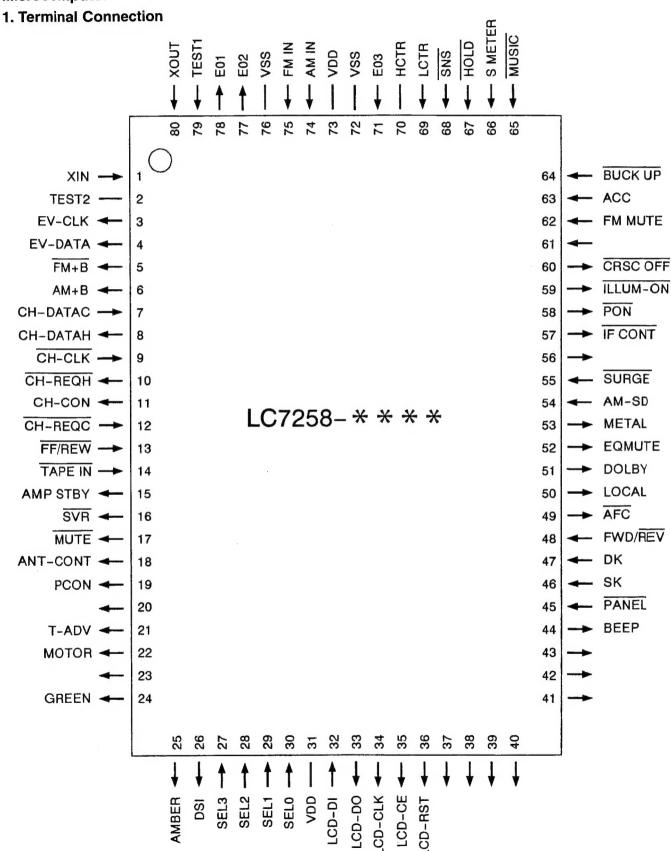
SYNTHESIZER UNIT (X14 - 5400 -XX)

Ref. No.	Use and Function	Operation and Condition
IC1	μ-COM IC	
IC2	ELECTRONIC VOLUME	EQ amp/Electronic VOL/NC MPX/CH ISO/T.ADV/METAL/BASS/TRE
IC3	POWER SUPPLY IC	
IC4	PWR IC	
IC5	DOLBY IC	
Q6	CRSC SW	μ-COM pin (60).
Q7	METAL SW	ON when μ-COM (53) goes H.
Q8	IC2 MUTE SW	ON when μ-COM (17) goes L.
Q101	PWR ON SW	ON when μ-COM (58) goes L.
Q102	L.P.F.	
Q103	MUTE SW	ON when μ-COM (17) goes L.
Q104	DSI SW	ON when μ-COM (26) goes H.
Q105	PANEL VDD SW	ON when μ-COM (45) goes L.
Q106,107	2-COLOR SW	ON when μ-COM (24) (25) go H.
Q108,109	ILLUM +B SW	Q108 is turned ON when Q106 goes ON. Q109 is turned ON when Q107 goes ON.
Q110	MOTOR SW	ON when μ-COM (22) goes H.
Q111	PLUNGER SW	ON when μ-COM (21) goes H.
Q112	MOTOR +B DRIVER	When Q110 goes ON, Q112 is turned ON and mechanism motor starts rotation.
Q113	PLUNGER +B DRIVER	ON when Q111 goes ON.
Q114	ILLUM +B DRIVER	When Q115 goes ON, Q114 is turned ON and illumination power is supplied
Q115	ILLUM SW	ON when μ-COM (59) opens to turn Power supply IC (3) ON.
Q116	PWR ANT SW	ON When μ-COM (18) goes H.
	D	When Q116 goes ON,
Q117	PWR ANT +B DRIVER	Q117 is turned ON and power is supplied to power antenna.
Q118	B-UP DETECT SW	ON when B-UP is detected.
Q119	SURGE DETECT SW	ON when Power supply IC (11) goes L.
Q120	HOLD DETECT SW	ON when μ-COM (67) goes L.
Q121	HOLD SW	ON when Q118 goes ON. Puts μ-COM in HOLD mode.
Q125	SVR CONTROL	ON when Q126 is turned ON by μ-COM (16) going L.
Q126	SVR SW	ON when μ-COM (16) goes L.
Q127	AMP STBY SW	ON when Q118 is turned OFF by power down. Both AMP STBY and AMP MUTE go L.
Q201~204	PRE MUTE SW	ON when μ-COM (17) goes L.
Q401	CD-CH MUTE SW	ON when CD CH MUTE goes H.
Q402	CD-CH RST SW	ON when Q403 is turned ON by pressing CH RST button.
Q403	CD-CH RST SW	ON when CH RST button is pressed.

CIRCUIT DESCRIPTION

IC1: LC72358-9202 (X14-5400-XX)

Microcomputer



CIRCUIT DESCRIPTION

2. Terminal description

No.	Pin Name	1/0	Function	Description	In HOLD mode
3	SI0/PG3	0	EV-CLK	Electronic volume control - Clock line.	L
4	SO0/PG2	0	EV-DATA	Electronic volume control - Data line.	L
5	SCK0/PG1	0	FM+B	FM power control.	L
6	PG0	0	AM+B	AM power control.	L
7	SI1/PF3	1	CH-DATAC	Changer data input.	-
8	SO1/PF2	0	CH-DATAH	Changer data output.	Last state
9	SCK1/PF1	1	CH-CLK	Changer clock input.	-
10	PF0	0	CH-REQH	Changer request output.	Н
11	SI2/PE3	0	CH-CON	Changer control.	L
12	SO2/PE2	1	CH-REQC	Changer request input.	-
13	SCK2/PE1	ı	FF/REW	Tape - FF/REW detection. "L" = FF/REW.	-
14	PE0	ı	TAPE in	Tape - Tape input. "L" = Tape mode.	-
15	PD3	0	AMP STBY	Standby output to power amplifier.	L
16	PD2	0	SVR	Power amp muting output. "H" =Muting H in 15 sec.	
17	PD1	0	MUTE	Audio muting output. "L" = Muting. H in 15 sec.	
18	PD0	0	ANT-CONT	Tuner antenna control. "H" = Tuner mode.	L
19	PC3	0	PCON	Power control "H" = ON.	L
20	PC2	0			L
21	PC1	0	T-ADV	Tape advance plunger output. "H" = ON.	L
22	PC0	0	MOTOR	Tape motor ON output "H" = ON.	L
23	PB3	0			
24	PB2	0	GREEN	Illumination - amber. "H" = ON.	L
25	PB1	0	AMBER	Illumination - green. "H" = ON.	L
26	PB0	0	DSI	DSI "H" = ON.	L
27	PA3	ı	SEL3	Destination type selection terminal. With pull - down resistor.	L
28	PA2	1	SEL2	Destination type selection terminal. With pull - down resistor.	L
29	PA1	ı	SEL1	Destination type selection terminal. With pull - down resistor.	L
30	PA0	1	SEL0	Destination type selection terminal. With pull - down resistor.	L
31	Vdd	ı	Vdd		
32	PQ0	i	LCD-DI	LCD driver - Data input.	
33	PP3	0	LCD-DO	LCD driver - Data output.	L
34	PP2	0	LCD-CLK	LCD driver - Clock output.	L
35	PP1	0	LCD-CE	LCD driver - Chip Enable output.	L
36	PP0	0	LCD-RST	LCD driver - Reset output.	L
37	PO3	0			L
38	PO2	0			L
39	PO1	0			Ļ
40	PO0	0			L
41	PN3	0		1740	L
42	PN2	0			ļ
43	PN1	0			l l
44	PN0/BEEP	0	BEEP	Beep output (2.08 kHz).	L
45	PM3	ı	PANEL	Panel detection. "L" = Panel detected.	
46	PM2	1	SK	SK input. "H" = ON.	
47	PM1	1	DK	DK input. "H" = ON.	
48	PM0	1	FWD/REV	Tape - FWD/REV input. "H" = FWD.	
49	PL3	0	AFC	Tuner - AFC output. "L" = During seek.	
50	PL2	0	LOCAL	Tuner - Local output. "H" = During seek.	
51	PL1	0	DOLBY	Tape - Dolby output. "H" = ON.	

CIRCUIT DESCRIPTION

No.	Pin Name	1/0	Function	D	escription		In HOLD mode
52	PL0	0	EQMUTE	Tape - EQ muting output.			L
53	PK3	0	METAL	Tape - Metal output.	"H" = ON.		L
54	PK2	1	AM-SD	AM band - SD detection.	"H" = Station detect	ted.	-
55	PK1/INT1	1	SURGE	Surge detection.			-
56	PK0.INT0	0					
57	PJ3	0	IF CONT	Tuner - IF counter ON output		"L" = ON.	OPEN
58	PJ2	0	PON	Power ON.	"L" = ON.	"H" in 1.15 sec.	
59	PJ1	0	ILLMI-ON	Illumination ON.	"OPEN" = ON.		OPEN
60	PJ0	0	CRSC OFF	CRSC ON/OFF.	"L" = OFF.		OPEN
61	PI1/ADI5	1					L
62	PI0/ADI4	I	FM MUTE	"L" = when a station is detect	ed in FM band.	Vth = 1.2V.	-
63	PH3/ADI3	1	ACC	Acc detection.	"H" = ON.		-
64	PH2/ADI2	1	BUCK UP	Back-up detection.	"L" = Power down.	Recovery with I.	-
65	PH1/ADI1	1	MUSIC	Music detection.	"L" = Music detecte	d.	
66	PH0/ADI0	1	S Meter	FM band station detection.	"H" = Station detec	ted.	-
67	HOLD	1	HOLD	Hold detection.	"L" = Hold.		-
68	SNS	1	SNS	Power down detection.			
69	LCTR	1	LCTR	IF counter input.			-
70	HCTR	-	HCTR	-			
71	EO3	1	EO3	Phase detector error output.		"OPEN".	•
72	SUB PD	-	Vss	Connected to GND.			
73	Vdd		Vdd				
74	AM in	1		VCO input.			
75	FM in			VCO input.			
76	Vss						
77	EO2			Phase detector error output.		"OPEN".	
78	EO1			Phase detector error output.			
79	TEST1						
80	XOUT						
1	XIN						
2	TEST2				<u></u>		

	⑤FM+B	⑥AM+B
TAPE	Н	L
FM	L	L
AM	Н	Н
CD-CH	Н	L
T.CALL FM	L	L
T.CALL AM	Н	Н
PWR OFF	L	L

CIRCUIT DESCRIPTION

3. Key matrix

- *1: Keys of K/M type models other than the KRC-402/442.
- *2: Keys of D type models. The J type model is basically identical to the D type except that TI is used in place of SDK.
- *3: Keys of K/M type models other than the KRC-402/442.
- *4: L/N type models.

	1	CI1		KI2	KI3	KI4	KI5
KS6							SOURCE POWER OFF
KS5							PANEL
KS4		JTO MEMO	*1	LOUD	Radio : 6	CLOCK	
		/LOCAL MEMO	*2	SDK(D) DKVOL ADJ T1(J)	CH : M-RDM		
		/LOCAL MEMO	*3	LOUD ILLMI			
		JTO MEMO	*4	LOUD			
KS3	DC	OWN	*1	FM T CRSC	*1 AM	UP	
			*2	FM ¶ MONO	*2 AM ¶ AT-SK.S ON/OFF		
			*3	FM TCRSC	*3 AM		
			*4	FM MONO	*4 AM		
KS2		dio : 3 METAL		Radio : 2 Ta : DOLBY	Radio : 1 Ta : T-ADV	Radio: 4	Radio : 5 Ta : T-CALL
		RANDOM		CH: T-SCAN	14.17101	CH : REPEAT	CH : D-SCAN
KS1	VO	LUME V		VOLUME ^	AUDIO ¶ VOL RET	*1 ATT	
						*2 ATT (D/J) ₹ LOUD	
						*3 ATT	
						* ⁴ ATT	

4. Destination type setting

SEL3	SEL2	SEL1	SEL0	Selected model and type	SEL3	SEL2	SEL1	SEL0	Selected model and type
0	0	0	0	KRC-202	1	0	0	0	KRC-157L
0	0	0	1	KRC-302	1	0	0	1	
0	0	1	0	KRC-357L	1	0	1	0	KRC-357N
0	0	1	1	KRC-157N	1	0	1	1	KRC-332
0	1	0	0	1.00	1	1	0	0	KRC-157D
0	1	0	1	KRC-402	1	1	0	1	KRC-222
0	1	1	0		1	1	1	0	KRC-357D
0	1	1	1	KRC-442	1	1	1	1	

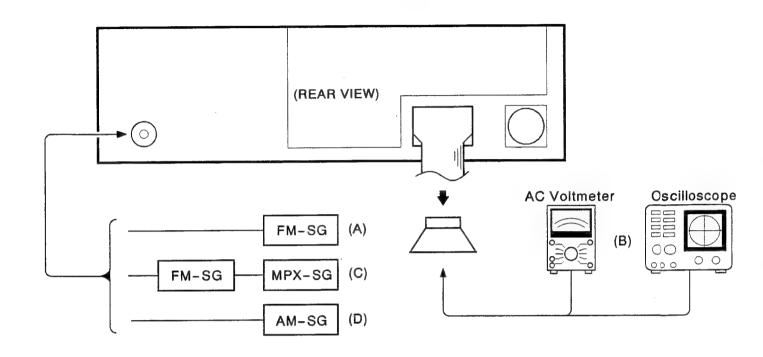
The M type model is switchable to a K type model.

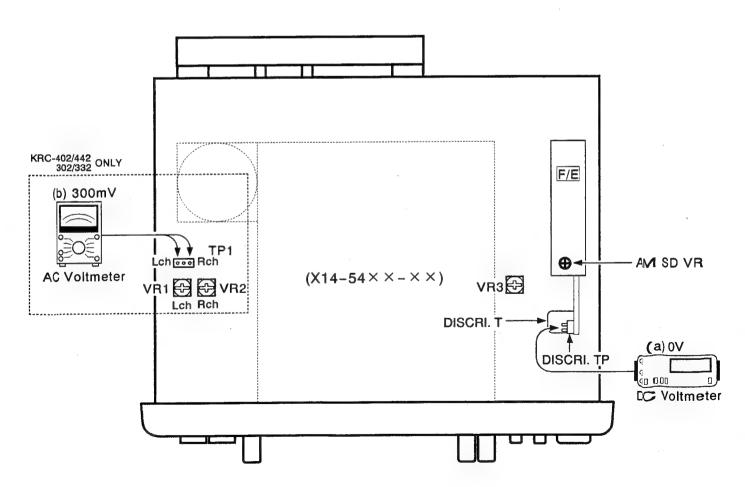
^{*}In the table above, "1" means pull - up at a few ohms and "0" means OPEN (pulled down by software).

ADJUSTMENT

No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
F	M SECTION						
1	DISCRI- MINATOR	(A) 98.1MHz 0dev 60dB μ (ANT input)	Connect a DC voltmeter to TP(F/E)	FM 98.1MHz	T (F/E)	ov	(a)
2	ANRC (STOP LEVEL)	(C) 98.1MHz 1kHz,±67kHz dev Pilot:±7.5kHz dev Selector:L or R 35dB \(\mu \) (ANT input)	(B)	FM 98.1MHz	VR3	Separation 10dB	
Α	M SECTION						
(1)	STOP LEVEL	(D) 990 KHz 400Hz,30% mod 35dB # (ANT input)	_	AM 990 kHz	VR (F/E)	STOP	
С	ASSETTE D	ECK SECTION					
[1]	AZIMUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each L ch / R ch or FWD /RVS becomes maximum	
	KRC-402/4	143/302/332 ONLY					
[2]	PLAYBACK LEVEL	MTT-150	Connect a AC voltmeter to TP1	TAPE PLAY	VR1 (L) VR2 (R)	300mV	(b)

KRC-202/222/302/332/402/442 ADJUSTMENT



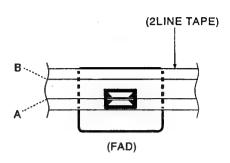


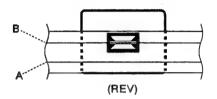
ADJUSTMENT

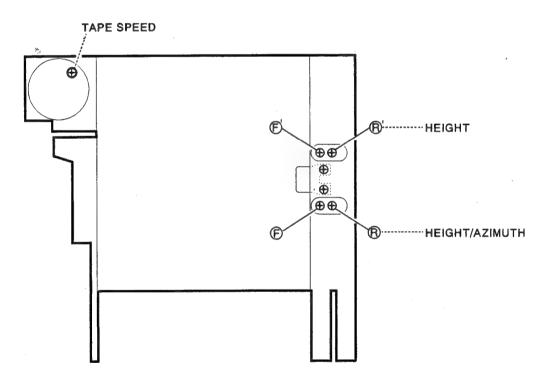
Head Angle Adjustment

Head height alignment procedure

- During FWD transport, adjust screws (F) and (F)' so that line A of 2-line tape passes through the center of the head shield plate (white section).
- During REV transport, adjust screws
 ® and
 ®' so that line B of 2-line tape passes through the center of the head shield plate (white section).
- After the alignment above, reverse th transport direction and check the FWD alignment again. If it is deviated, perform alignment again. (Tape used: SCC-1659, manufactured by A-BEX).

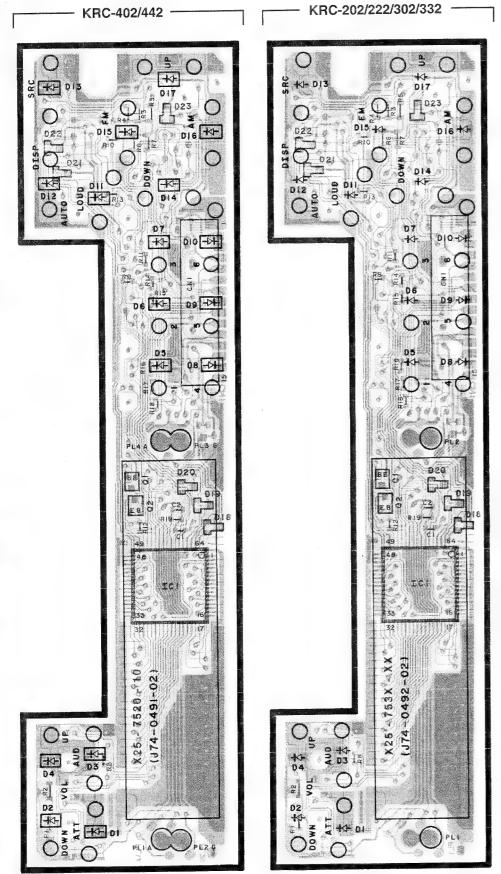






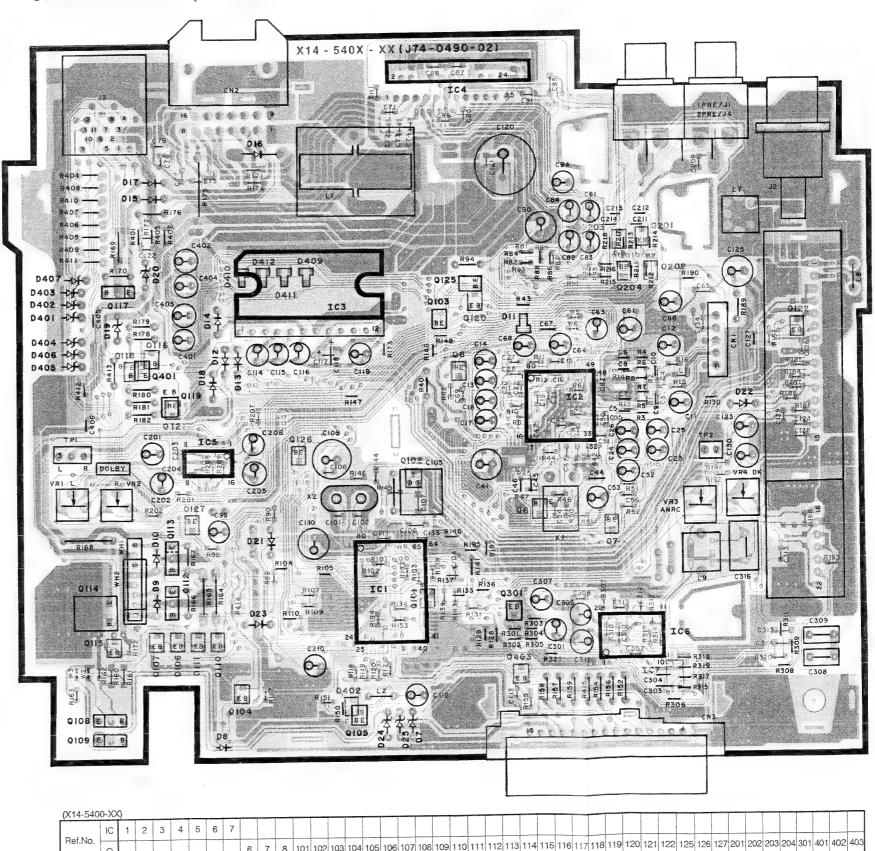
PC BOARD (Component side view)

SWITCH UNIT (X25-75XX-XX)

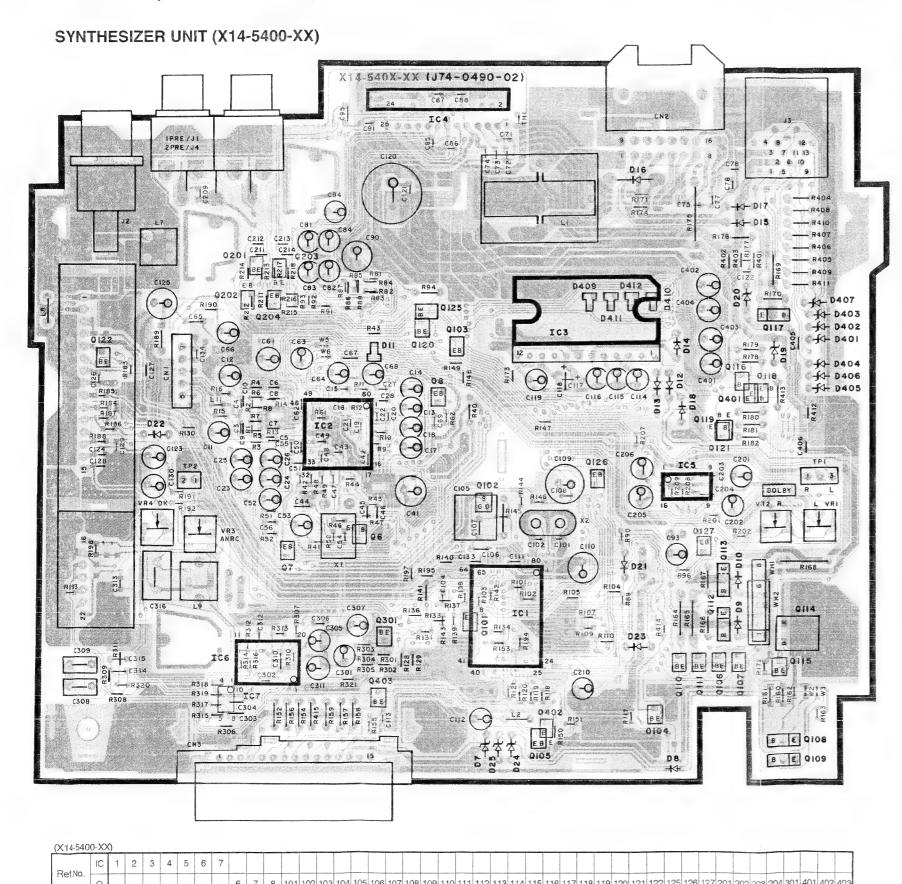


Refer to the schematic diagram for the value of resistors and capacitors.

SYNTHESIZER UNIT (X14-5400-XX)

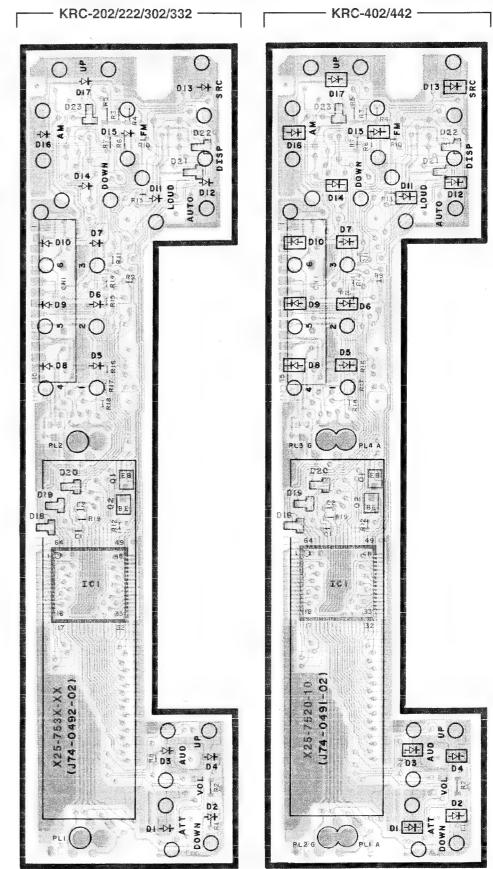


PC BOARD (Foil side view)



4M 5M 3N 5N 4N 3N 6O 6N 5O 5O 6P 6P 5O 5O 5O 5O 5P 5P 3P 3P 3P 3P 4O 3M 4O

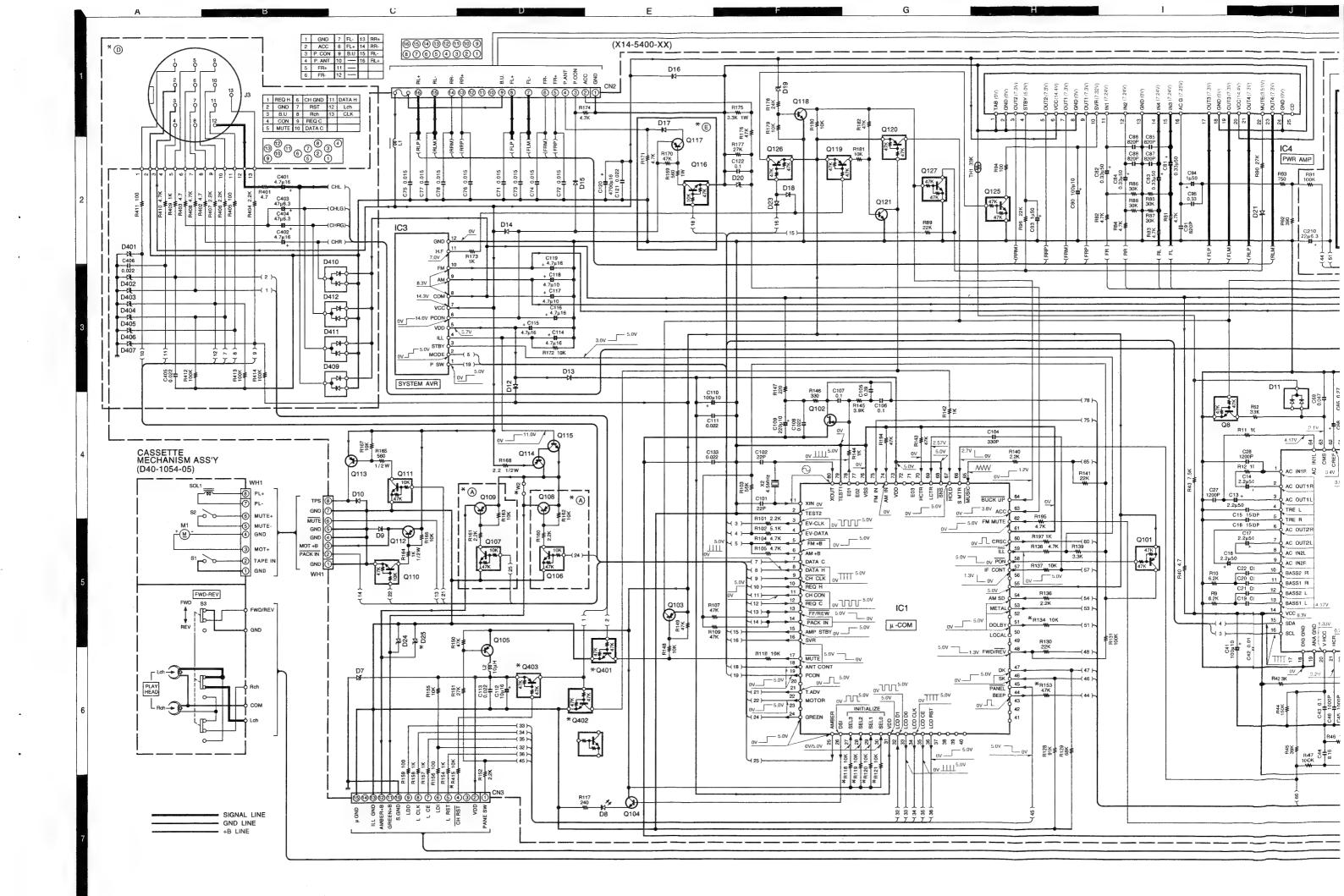
SWITCH UNIT (X25-75XX-XX)

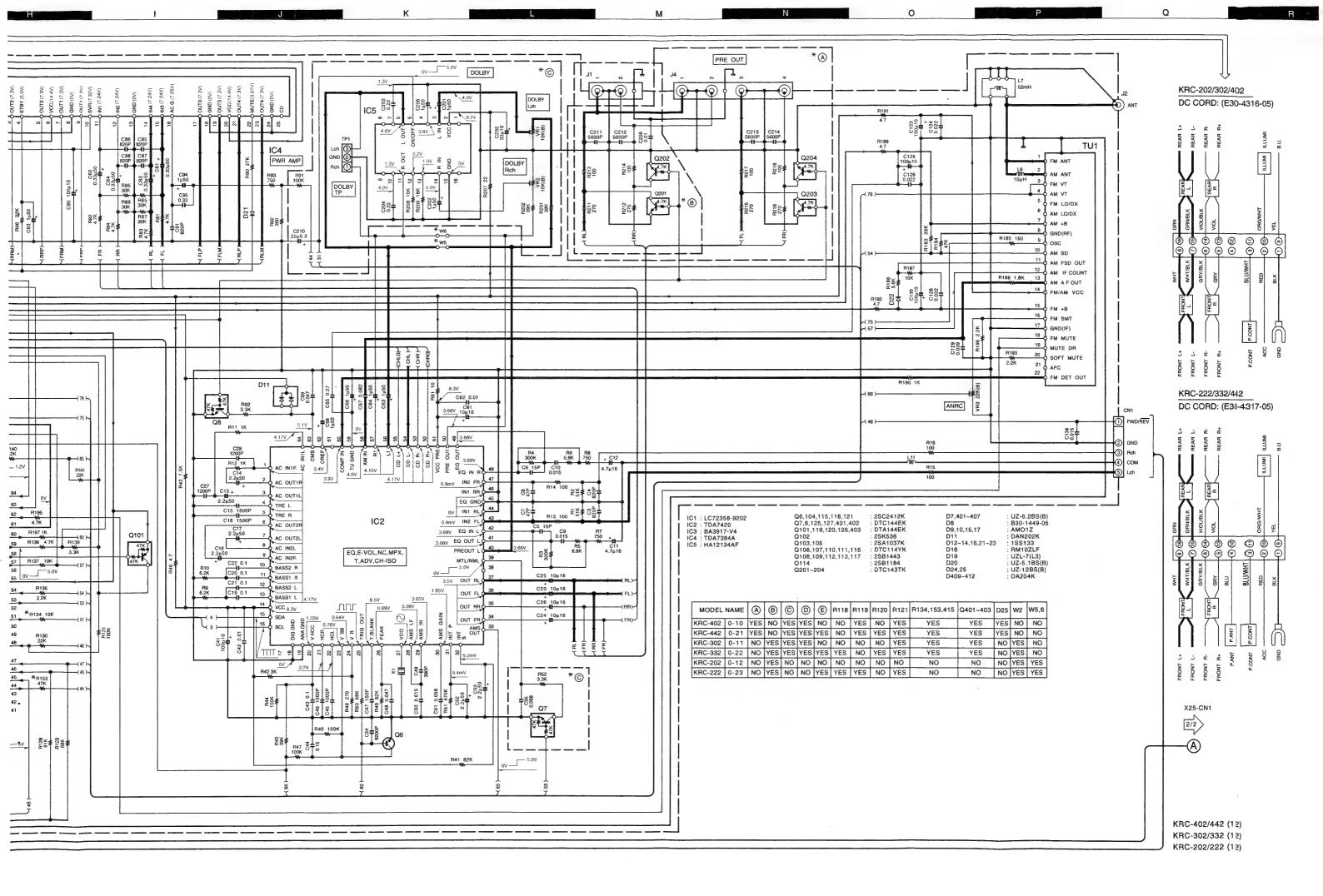


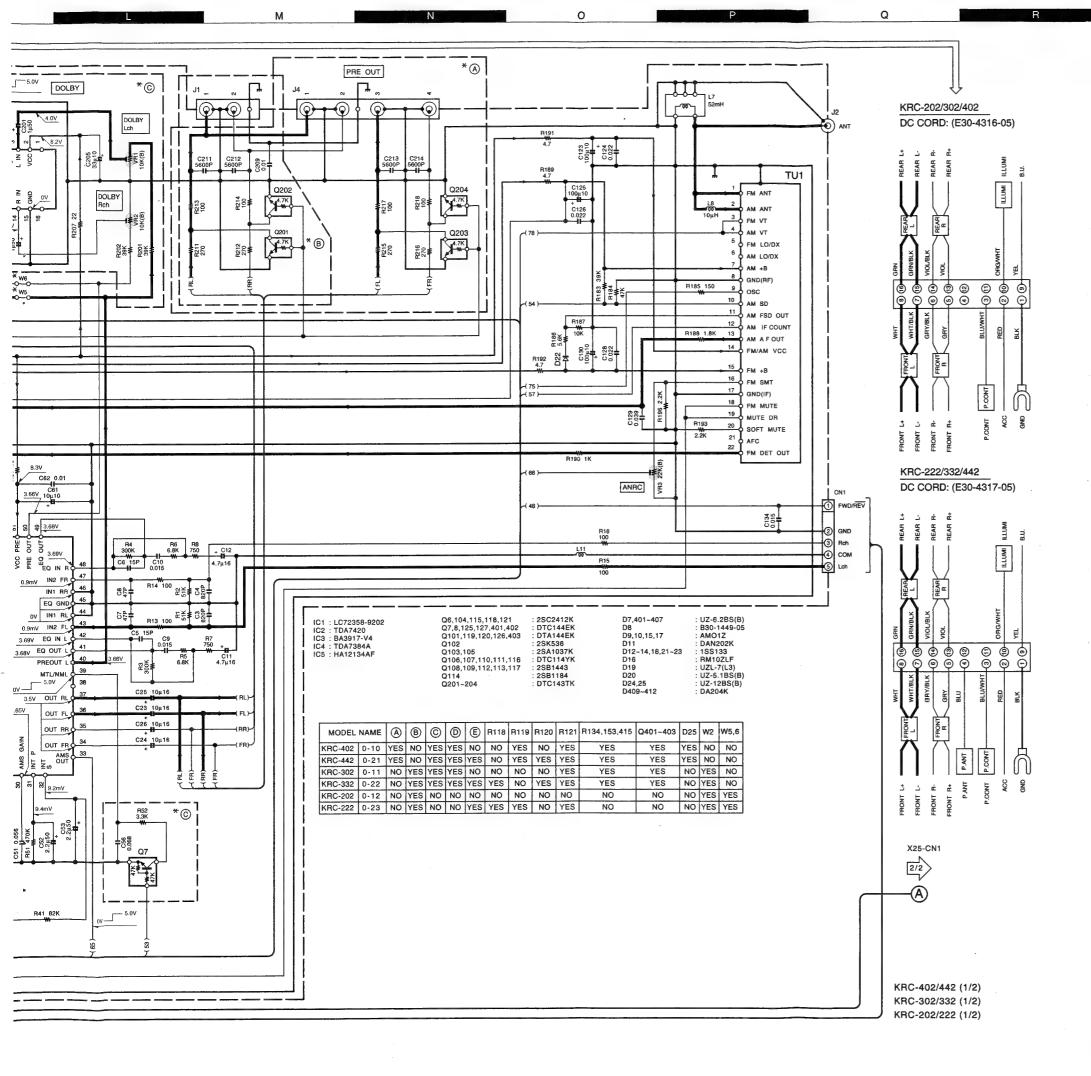
Refer to the schematic diagram for the value of resistors and capacitors.

5N 4M 3N 2N 4O

3M 4O 4O 3L 3L 3L 3L







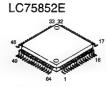
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

DTA144EK DTC114YK DTC143TK DTC144EK 2SA1037K 2SC2412K





2SB1184

2SB1443

HA12134AF







DAN202K

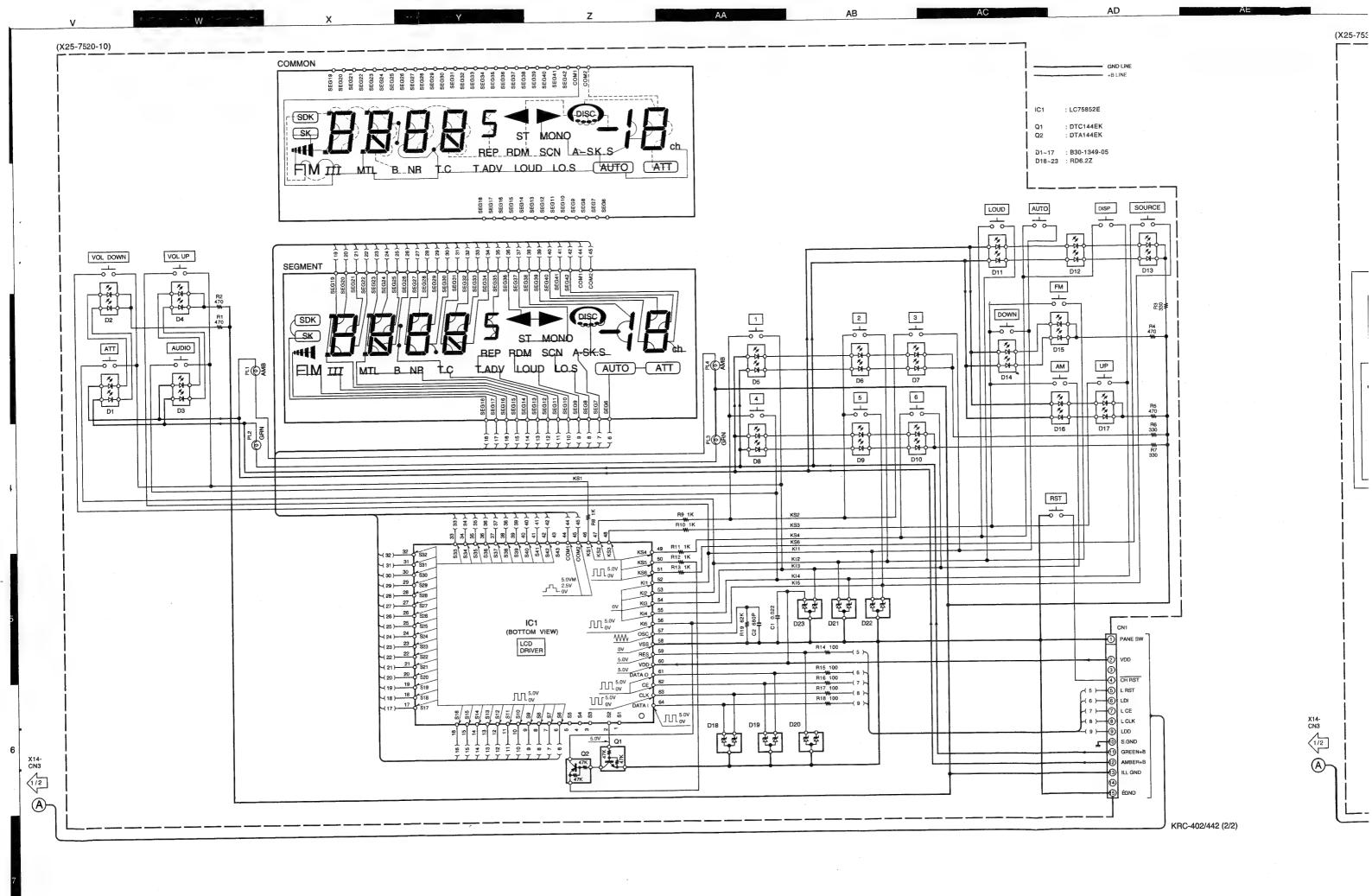
DA204K

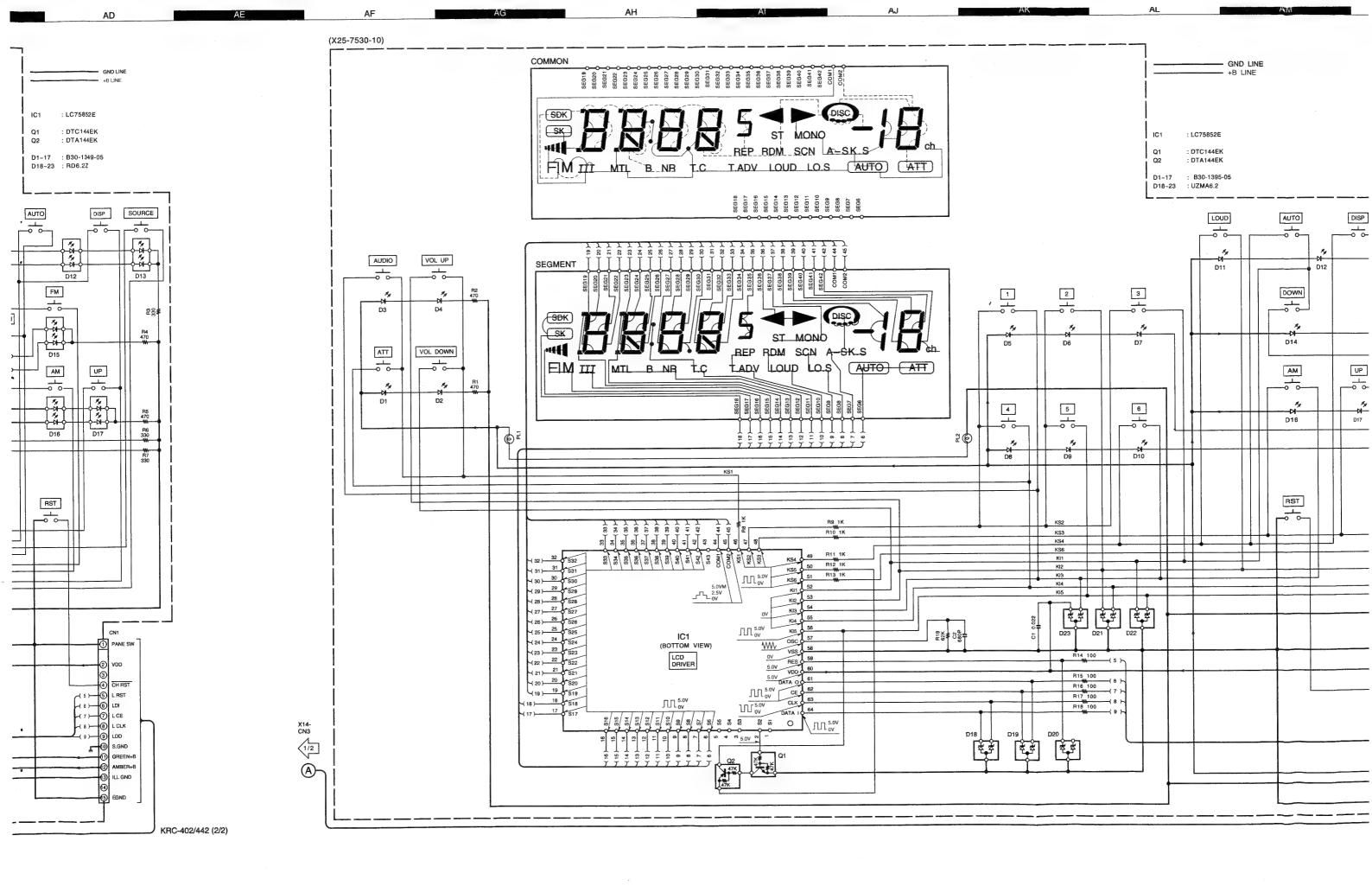
K 2SK536

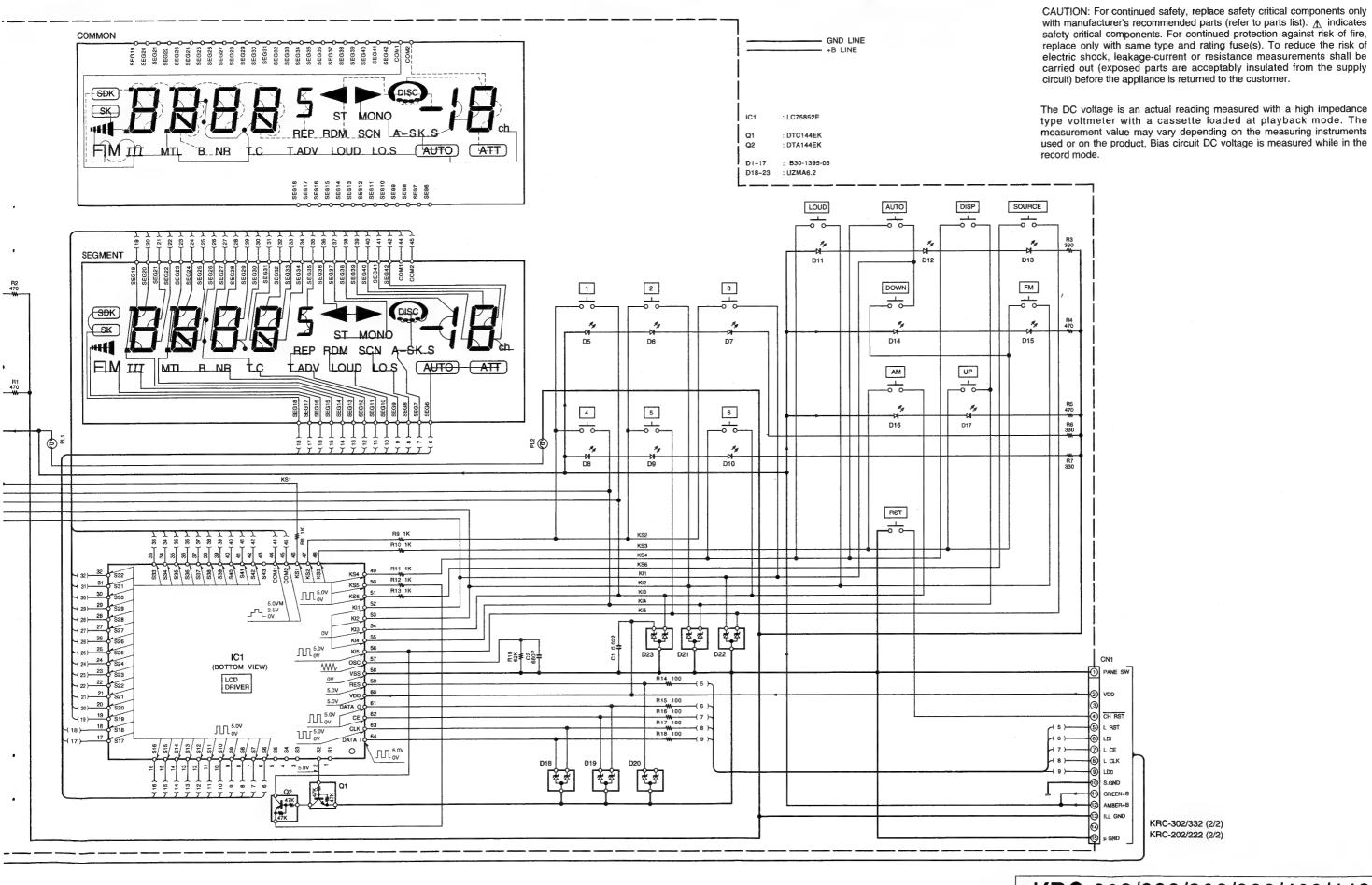


KRC-202/222/302/332/402/442

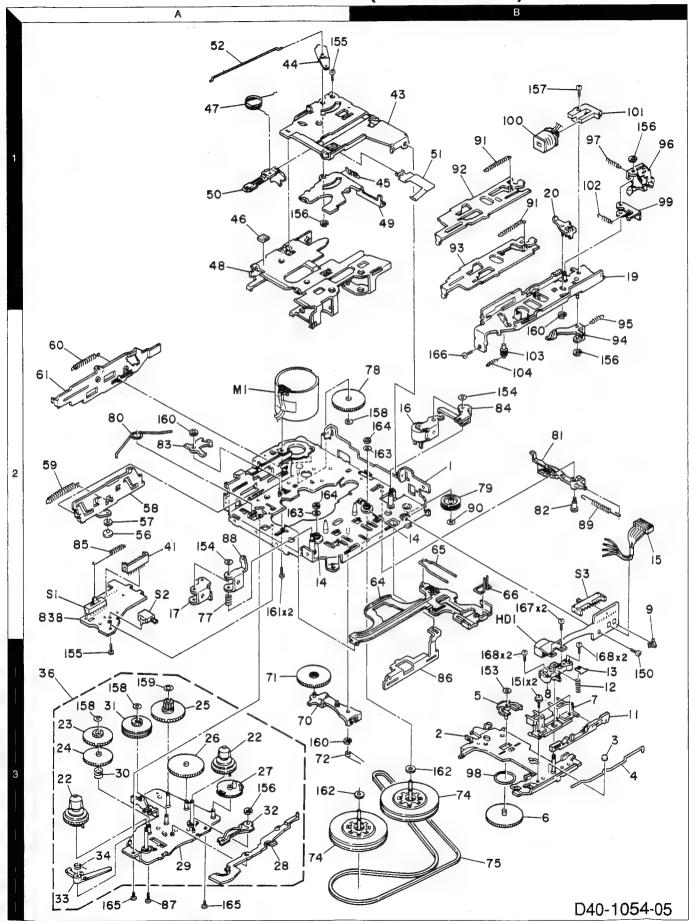
KENWOOD





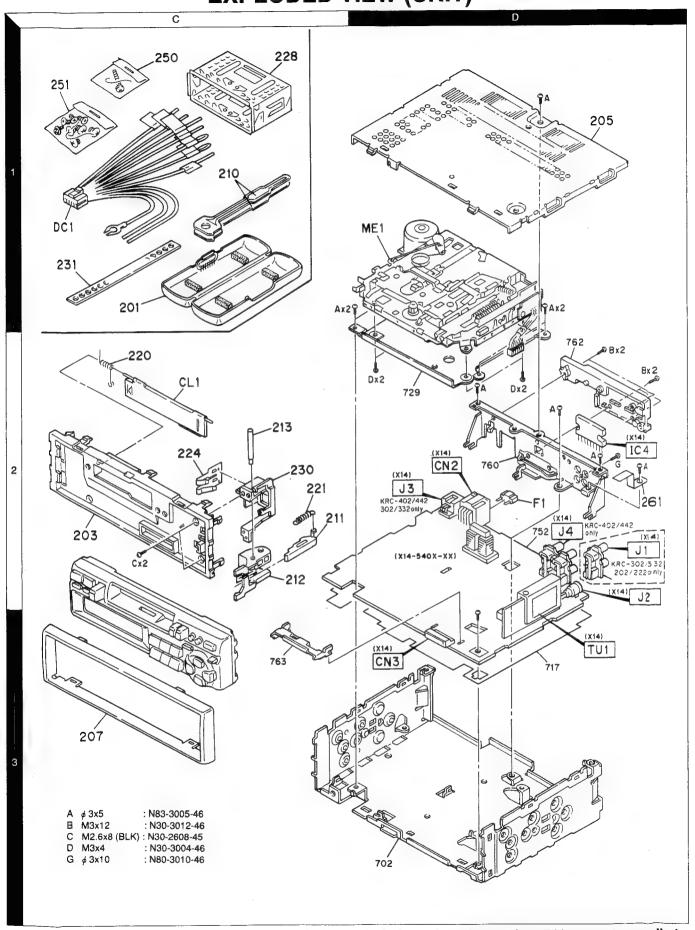


EXPLODED VIEW (MECHANISM)

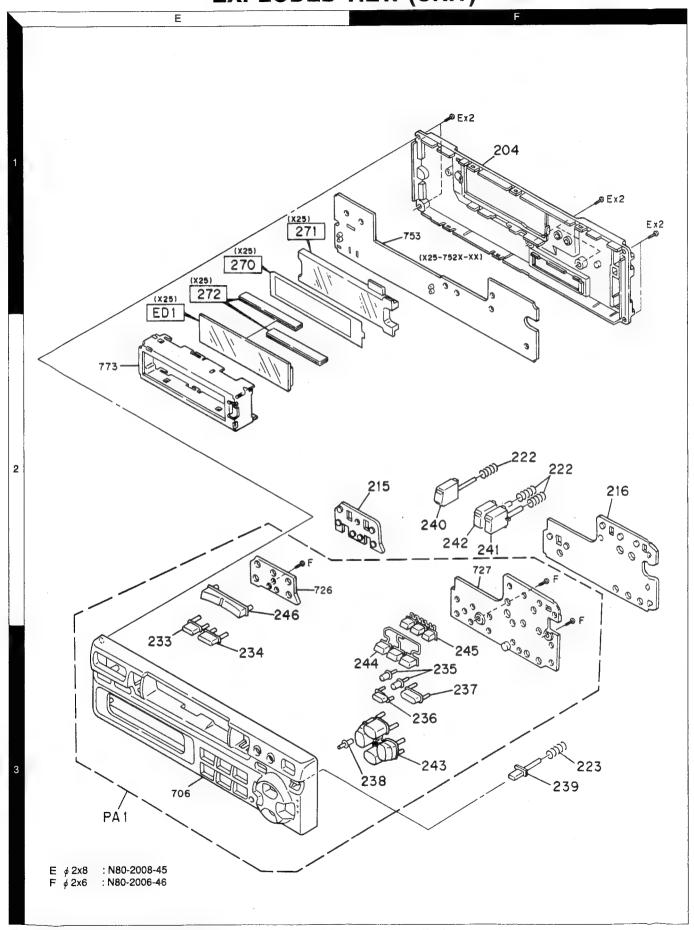


Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)



EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

*New Parts

Parts without Part No. are not supplied.

Ref.No.	d d	е	Psrts No.	Description	Des inati on
			KRC-402/44	2/302/332/202/222	
201 203 204 205 CL1	1F 1D	*	A02-1443-03 A22-1261-01 A46-1245-11 A52-0691-02 A53-1617-03	PLASTIC CABINET ASSY SUB PANEL REAR COVER TOP PLATE CASSETTE LID	
PA1 PA1 PA1 PA1 PA1	3E 3E 3E	* * *	A64-0629-02 A64-0630-02 A64-0631-02 A64-0632-02 A64-0636-02	PANEL ASSY (402) PANEL ASSY (442) PANEL ASSY (302) PANEL ASSY (332) PANEL ASSY (202)	M K M
PA1	3E	*	A64-0637-02	PANEL ASSY (222)	М
207 - - - -	3C		B07-2067-02 B46-0100-40 B46-0172-13 B46-0606-04 B58-1213-04	ESCUTCHEON WARRANTY CARD QUESTIONAIRE CARD(402/302/202) ID CARD CAUTION CARD(EIA)(402/302/202)	K K
- - -			B58-1223-04 B58-1223-04 B64-0684-00 B64-0685-00	CAUTION CARD(CH, 4W) (402/442) CAUTION CARD(CH, 4W) (302/332) INSTRUCTION MANUAL(402/302/202 INSTRUCTION MANUAL(442/332/222	
210 211 212 213 ME1	10 20 20 20 10		D10-3031-04 D10-3037-03 D10-3038-03 D21-2142-04 D40-1054-05	LEVER LEVER LEVER SHAFT CASSETTE MECHANISM ASSY	
215 216 DC1 DC1	10			CONDUCTIVE RUBBER CONDUCTIVE RUBBER DC CORD (402/302/202) DC CORD (442/332/222)	K M
F1	20		F52-0006-05	FUSE(MINI BLADE TYPE)(10A)	
220 221 222 223 224	20 20 2F 3F 20	*	G01-2525-04 G01-2710-04 G01-2737-04 G01-2738-04 G02-1191-03	TORSION COIL SPRING EXTENSION SPRING COMPRESSION SPRING COMPRESSION SPRING FLAT SPRING	
- - -		1	H10-4521-02 H25-0329-04 H25-0337-04 H54-0504-04 H54-0505-04	POLYSTYRENE FOAMED FIXTURE PROTECTION BAG (280X450X0.03) PROTECTION BAG (180X300X0.03) ITEM CARTON CASE (402) ITEM CARTON CASE (442)	L
- - - -		1	H54-0506-04 H54-0507-04 H54-0512-04 H54-0513-04 H64-0539-04	ITEM CARTON CASE (302) ITEM CARTON CASE (332) ITEM CARTON CASE (202) ITEM CARTON CASE (222) OUTER CARTON CASE (402)	M K M
- - - -		1	H64-0540-04 H64-0541-04 H64-0542-04 H64-0547-04 H64-0548-04	OUTER CARTON CASE (442) OUTER CARTON CASE (302) OUTER CARTON CASE (332) OUTER CARTON CASE (202) OUTER CARTON CASE (222)	K M K

Ref.No.	A d	е	Psrts No.	Description	Des inati on
230 231			J21-7651-03 J54-0071-04	MOUNTING HARDWARE STAY	UII
233 234 235 236 237	3E 3F 3F	* * *	K24-1671-04 K24-1672-04 K24-1673-04 K24-1674-04 K24-1678-04	KNOB (ATT) KNOB (AUD) KNOB (AUTO, DISP) KNOB (LOUD) KNOB (SRC)	
238 239 240 241 242	2F 2E 2F	* * *	K24-1679-04 K24-1680-04 K24-1681-04 K24-1682-04 K24-1683-04	KNOB (RESET) KNOB (RELEASE) KNOB (EJECT) KNOB (FF) KNOB (REW)	
243 244 245 246	3F 3F	*	K25-0728-03 K25-0729-03 K25-0730-03 K25-0731-03	KNOB (FM/AM) KNOB (1-3) KNOB (4-6) KNOB (VOL)	
250 251 A C D	1C 1C 1D 2C 2D		N99-1610-15 N99-1632-05 N83-3005-46 N30-2608-45 N30-3004-46	SCREW SET SCREW SET PAN HEAD TAPTITE SCREW PAN HEAD MACHINE SCREW PAN HEAD MACHINE SCREW	
E F	1F 2F	1	N80-2008-45 N80-2006-46	PAN HEAD TAPTITE SCREW PAN HEAD TAPTITE SCREW	
	•	S	YNTHESIZE	R UNIT(X14-5400-XX)	
D8		T	B30-1449-05	LED	
C3 ,4 C5 ,6 C7 ,8 C9 ,10 C11 ,12			CK73FB1H821K CC73FCH1H150J CC73FCH1H470J CK73FB1H153KTA CE04CW1C4R7M	CHIP C 820PF K CHIP C 15PF J CHIP C 47PF J CHIP C 0.015UF K ELECTRO 4.7UF 16WV	
C13 , 14 C15 , 16 C17 , 18 C19 -22 C23 -26			CE04CW1H2R2M CK73FB1H152K CE04CW1H2R2M CK73FB1C104K CE04CW1C100M	ELECTRO	
C27 , 28 C41 C42 C43 C44			CK73FB1H122K CE04CW1A101M CK73FB1H103K CK73FB1C104K CK73EB1E154K	CHIP C 1200PF K ELECTRO 100UF 10WV CHIP C 0.010UF K CHIP C 0.10UF K CHIP C 0.15UF K	
C45 , 46 C47 C48 C49 C50			CK73FB1H102K CC73FCH1H151J CK73FB1E473KTA CK73FB1H391K CK73FB1H153KTA	CHIP C 390PF K	
C51 C52 , 53 C54 C56 C56		*	CK73FB1E563KTA CE04CW1H2R2M CK73FB1H822K CK73FB1E683KTA CK73FB1E683KTA	ELECTRO 2.2UF 50WV CHIP C 8200PF K CHIP C 0.068UF K	
C61 C62 C63 64		*	C90-2854-05 CK73FB1H103K	ALMINIUM ELECTROLYTIC C. CHIP C 0.010UF K	

E: Europe W: Without Europe P: Canada X: Australia K: U.S.A and Canada M: Without Eueope, U.S.A. and Canada

MOUNTING HARDWARE ASSY

(402):KRC-402 (442):KRC-442 (302):KRC-302 (332):KRC-332 (222):KRC-222 (202):KRC-202

PARTS LIST

*New Parts

Parts without Part No. are not supplied.

Les articles non mentionnes dans le **Parts No.** ne sont pas fournis. Teile ohne **Parts No.** werden nicht geliefert.

(X14-5400-XX)

Ref.No.	d e	Psrts No.		Description		Dest inati on		Ref.No.	d	6	Psrts No.	Descr	iption		Des inat on
C65 C66	u v	CK73EB1E274K CE04CW1H010M	CHIP C ELECTRO CHIP C	0.27UF 1.0UF	K 50WV	- 011		C405, 406 C405, 406			CK73FB1H223KTA CK73FB1H223KTA)22UF K)22UF K		OII
C67 C68 C69		CK73EB1H823K CE04CW1H010M CK73FB1E473KTA	ELECTRO	0. 082UF 1. OUF 0. 047UF	K 50WV K			261 CN1 CN2	20		E29-1497-04 E40-3240-05 E58-0836-05	LEAD PLATE PIN ASSY	DTAGLE		
C71 -78 C81 -84 C85 -88		CK73FB1H153KTA CEO4CW1HR33M CK73FB1H821K	CHIP C ELECTRO CHIP C	0. 015UF 0. 33UF 820PF	K 50WV K		<u>^</u>	CN3 J1			E58-0838-05 E13-0235-05	RECTANGULAR RECE RECTANGULAR RECE PHPNO JACK (2P F	PTACLE	02/332)	
090 091		CE04CW1A101M CK73FB1H821K	ELECTRO CHIP C	100UF 820PF	10WV K			J1 J3 J3			E13-0235-05 E56-0809-05 E56-0809-05	PHPNO JACK (2P F CYLINDRICAL RECE CYLINDRICAL RECE	PTA. (4		
093 , 94 095 0101, 102		CEO4CW1HO10M CK73EB1C334K CC73FCH1H22OJ	CHIP C	1.0UF 0.33UF 22PF	50WV K J			J4 WH1			E13-0446-05 E39-0090-15	PHONO JACK (4P F WIRING HARNESS		02/442)	
C104 C105		CK73FB1H331K CF92V1H394J	CHIP C	330PF 0. 39UF	K			L1 L2 L7		*	L33-1045-05 L40-1001-17 L33-1039-05	CHOKE COIL SMALL FIXED INDU LINE FILTER COIL		UH, K)	:
C106, 107 C108 C109		C93-1032-05 CK73FB1H223KTA CE04CW1A221M	CERAMIC CHIP C ELECTRO	0. 10UF 0. 022UF 220UF	K K 10WV			L8 L11			L40-1001-17 L92-0308-05	SMALL FIXED INDU FERRITE CORE		UH, K)	
C110 C111		CEO4CW1A101M CK73FB1H223KTA	CHIP C	100UF 0. 022UF	10WV K			X1 X2 X2		*	L78-0545-05 L77-1163-05 L77-1165-05	RESONATOR (CRYSTAL RESONATO CRYSTAL RESONATO			
0112 0113 0114-116 0117, 118	and the state of t	CE04CW1C100M CK73FB1H223KTA CE04CW1C4R7M C92-0009-05 CE04CW1C4R7M	ELECTRO CHIP C ELECTRO CHIP-TAN ELECTRO	10UF 0. 022UF 4. 7UF 4. 7UF 4. 7UF	16WV K 16WV 10WV 16WV			A B G	20 20 20		N83-3005-46 N30-3012-46 N80-3010-46	PAN HEAD TAPTITE PAN HEAD MACHINE PAN HEAD TAPTITE	SCREW		
0120 0121 0122 0123 0124	4	C90-2855-05 CK73FB1H223KTA CK73FB1C104K CE04DW1A101M CK73FB1H223KTA	CHIP C ELECTRO	4700UF 0. 022UF 0. 10UF 100UF 0. 022UF	16WV K K 10WV			R1 ,2 R3 ,4 R5 ,6 R7 ,8 R9 ,10			RK73FB2A513J RK73FB2A304J RK73FB2A682J RK73FB2A751J RK73FB2A622J	CHIP R 51P CHIP R 30C CHIP R 6.8 CHIP R 75C CHIP R 6.2	K J K J) J	1/10W 1/10W	
0125 0126 0128 0129		CEO4CW1A101M CK73FB1H223KTA CK73FB1H223KTA CK73FB1E393KTA CEO4DW1A101M	ELECTRO CHIP C CHIP C	100UF 0. 022UF 0. 022UF 0. 039UF 100UF	10WV K K K 10WV			R11 , 12 R13 -16 R41 R42 R43			RK73FB2A102J RK73FB2A101J RK73FB2A823J RK73FB2A302J RK73FB2A822J	CHIP R) J : J)K J	1/10W 1/10W	
0133 0134 0201, 202		CK73FB1H223KTA CK73FB1H153KTA CE04CW1H010M CE04CW1H010M	CHIP C CHIP C ELECTRO ELECTRO	0. 022UF 0. 015UF 1. 0UF 1. 0UF	K K 50WV 50WV			R44 R45 R46 , 47 R48 R49			RK73FB2A154J RK73FB2A393J RK73FB2A104J RK73FB2A271J RK73FB2A823J	CHIP R	i j K j		
0203, 204 0203, 204 0205 0205 0206		C93-0025-05 C93-0025-05 CE04CW1A330M CE04CW1A330M CE04CW1H010M	CERAMIC CERAMIC ELECTRO ELECTRO ELECTRO	0. 22UF 0. 22UF 33UF 33UF 1. 0UF	K 10WV 10WV 50WV			R50 R51 R52 R52 R61			RK73FB2A683J RK73FB2A474J RK73FB2A332J RK73FB2A332J RK73FB2A100J	CHIP R 68M CHIP R 47C CHIP R 3.3 CHIP R 3.3	K J	1/10W 1/10W	
C206 C209 C210 C210		CE04CW1H010M CK73FB1H103K CE04CW0J220M CE04CW0J220M	CHIP C ELECTRO ELECTRO	1.0UF 0.010UF 22UF 22UF	50WV K 6.3WV 6.3WV			R62 R81 -84 R85 ~88 R89			RK73FB2A332J RK73FB2A472J RK73FB2A303J RK73FB2A223J	CHIP R 3.3 CHIP R 4.7 CHIP R 30K CHIP R 22K	K J . J	1/10W 1/10W 1/10W	
0211, 212 0213, 214 0213, 214		CK73FB1H562K	CHIP C	5600PF 5600PF 5600PF	K			R90 R91 R91			RK73FB2A273J	CHIP R 27K	K J	1/10W	
2401, 402 2401, 402 2403, 404		CK73FB1H562K CE04CW1C4R7M CE04CW1C4R7M CE04CW0J470M	CHIP C ELECTRO ELECTRO ELECTRO	4. 7UF 4. 7UF 4. 7UF 47UF	K 16WV 16WV 6.3WV			R92 R93 R96			RK73FB2A104J RK73FB2A391J RK73FB2A751J RK73FB2A223J	CHIP R 100 CHIP R 390 CHIP R 750 CHIP R 22K	ı J		

E: Europe W: Without Europe P: Canada X: Australia K: U.S.A and Canada M: Without Europe, U.S.A. and Canada

(402):KRC-402 (442):KRC-442 (302):KRC-302 (332):KRC-332 (222):KRC-222 (202):KRC-202

PARTS LIST

*New Parts

Parts without Part No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

(X14-5400-XX)

Ref.No.	A d	e Psrts No.	D	escription			Dest inati on	Ref.No.	A I	e	Psrts No.	D€	escription			ir
101	d	W RK73FB2A222J	CHIP R	2.2K	J	1/10W	011	R187	4		K73FB2A103J	CHIP R	10K	J	1/10W	
02		RK73FB2A512J	CHIP R	5. 1K				R188			K73FB2A182J	CHIP R	1.8K	J	1/10W	1
03		RK73FB2A563J	CHIP R	56K	Ĵ	1/10W		R190			K73FB2A102J	CHIP R	1. OK		1/10W	
						1/10W		R191, 192		1.	K73FB2A4R7J	CHIP R	4.7		1/10W	
4, 105	li	RK73FB2A472J	CHIP R	4.7K	J							1			1/10W	
)7		RK73FB2A473J	CHIP R	47K	J	1/10W		R193		H	K73FB2A222J	CHIP R	2.2K	J	1/10#	
)9		RK73FB2A473J	CHIP R	47K	J	1/10W		R194			K73FB2A473J	CHIP R	47K		1/10W	
0		RK73FB2A103J	CHIP R	10K	J	1/10W		R195			K73FB2A472J	CHIP R	4.7K		1/10W	
7		RK73FB2A241J	CHIP R	240	J	1/10W		R196			K73FB2A222J	CHIP R	2.2K		1/10W	
8	ll	RK73FB2A103J	CHIP R	10K	J	1/10W	M	R197	H		K73FB2A102J	CHIP R	1.0K	J	1/10W	
9		RK73FB2A103J	CHIP R	10K	J	1/10W		R201, 202		R	K73FB2A393J	CHIP R	39K	J	1/10W	
9		RK73FB2A103J	CHIP R	10K	J	1/10W	м	R201, 202		R	K73FB2A393J	CHIP R	39K	J	1/10W	
20		RK73FB2A103J	CHIP R	10K	J	1/10W		R207		İB	K73FB2A220J	CHIP R	22	J	1/10W	
11	1	RK73FB2A103J	CHIP R	10K	Ĵ	1/10W		R207			K73FB2A220J	CHIP R	22	J	1/10W	
				1 OK	J	1/10W	1 1	R208			K73FB2A103J	CHIP R	10K	Ĵ	1/10W	
21		RK73FB2A103J RK73FB2A103J	CHIP R	10K	J	1/10W	M I	R208			K73FB2A103J	CHIP R	10K	J	1/10W	
21		RK 73FBZA 1030	OHIF H	TON	•		"									
28		RK73FB2A913J	CHIP R	91K	J	1/10W		R209	. 1		K73FB2A183J K73FB2A271J	CHIP R	18K 270	J J	1/10W 1/10W	
9		RK73FB2A683J	CHIP R	68K	J	1/10W	1 1	R211, 212					100	_	1/1 OW	
30		RK73FB2A223J	CHIP R	22K	J	1/10W	1 1	R213, 214			K73FB2A101J	CHIP R		Ų		
31		RK73FB2A104J	CHIP R	100K	J	1/10W		R215, 216			K73FB2A271J	CHIP R	270	J	1/1 OW	
34		RK73FB2A103J	CHIP R	10K	J	1/10W		R217, 218		F	K73FB2A101J	CHIP R	100	J	1/1 OW	
34		RK73FB2A103J	CHIP R	10K	J	1/10W	1	R401-403		F	RK73EB2B4R7J	CHIP R	4.7	J	1/8W	ļ
36		RK73FB2A222J	CHIP R	2.2K	J	1/10W	1 1	R401-403		F	K73EB2B4R7J	CHIP R	4.7	J	1/8W	
37	1	RK73FB2A103J	CHIP R	10K	J	1/10W		R412	H	F	K73FB2A104J	CHIP R	100K	J	1/1 OW	1
38		RK73FB2A472J	CHIP R	4.7K	Ĵ	1/10W	1 1	R412			RK73FB2A104J	CHIP R	100K	J	1/1 OW	1
39		RK73FB2A332J	CHIP R	3. 3K	Ĵ	1/10W		R414			K73FB2A104J	CHIP R	100K	Ĵ	1/1 OW	
10		RK73FB2A222J	CHIP R	2.2K	J	1/10W		R414		F	RK73FB2A104J	CHIP R	100K	J	1/1 OW	d
41	1	RK73EB2B223J	CHIP R	22K	ŭ	1/8W		VR1,2	1 1		112-0678-05	TRIMMING POT	. (10K)	(40	2/442)	Ш
		RK73FB2A102J	CHIP R	1. OK		1/10W		VR1 ,2			112-0678-05	TRIMMING POT		(30	2/332)	1
42			CHIP R	47K	J	1/10W		VR3			112-0679-05	TRIMMING POT		,,,,	_,,	-
13 14		RK73FB2A473J RK73FB2A102J	CHIP R	1.0K	J			W2			92-2052-05	CHIP R	0	J	1/1 OW	1
			01170 0	0.04		1 /1 (14		w2			R92-2052-05	CHIP R	0	ل	1/1 OW	
45		RK73FB2A392J	CHIP R	3.9K		1/10W					R92-2052-05	CHIP R	Ö	J	1/1 OW	
16	1	RK73FB2A331J	CHIP R	330	J	1/10W		W5,6			192-2002-00	CHIP K	U	J	1/1 04	1
17		RK73FB2A221J	CHIP R	220	J			1		١.						-
48		RK73FB2A103J	CHIP R	10K	J	1/100		D7			JZ-6. 2BS(B)	ZENER DIODE				
49, 150		RK73FB2A473J	CHIP R	47K	J	1/10W		D9 , 10			AMO1Z	DIODE				
,								D9 , 10		{	ERA15-01	DIODE				
51		RK73FB2A273J	CHIP R	27K	J	1/108		D11		1	DAN202K	DIODE				
53		RK73FB2A473J	CHIP R	47K	J	1/109		D12 -14			188133	DIODE				-
53		RK73FB2A473J	CHIP R	47K	J	1/100										ļ
			CHIP R	10K	Ĵ			D15		11/	AMO1Z	DIODE				1
55 50 161		RK73FB2A103J	CHIP R	2.2K	J			D15			ERA15-01	DIODE				
50, 161		RK73EB2B222J	OHATE II	2.41	0	1, 011		D16			RM10ZLF	DIODE				
co 4		DV7050044001	CHIE D	104	1	1/100		D17			AMO1Z	DIODE	(11	12/33	2/222)	۱ (
52, 163	5	RK73FB2A103J	CHIP R	10K			'			1 1		DIODE			2/222)	
64		RD14D82H102J	SMALL-RD	1.0K		1/2W		D17			ERA15-01	PIONE	142	+2/ 00	-14-	' [ˈ
55		RD14DB2H561J	SMALL-RD	560		1/2W		1000			100100	01005				1
68		RD14DB2H2R2J	SMALL-RD	2.2		1/2W		D18			188133	DIODE				
59		R92-0366-05	CHIP R	560	J	1 W	М	D19 D20			UZL-7(L3) UZ-5. 1BS(B)	ZENER DIODE				
71		RK73EB2B472J	CHIP R	4.7K	J	1/8W	M	D21 -23			188133	DIODE				
72		RK73FB2A103J	CHIP R	10K	J			024,25			UZ-12BS(B)	ZENER DIODE				
			CHIP R	1. OK		1/10		1								
73		RK73FB2A102J						D401-407	,		UZ-6, 2BS(B)	ZENER DIODE	(402/44	12/30	2/332	١(
74		RK73EB2B472J	CHIP R	4.7K		1/8W				1 1	DA204K	DIODE	(402/44			
75		RS14DB3A332J	FL-PROOF RS	3.3K	J	1W		D409-412		\$ I	DAZU4K LC72358-9202	MI-COM IC	(402/44	+4/06	12/ VJC.	1
77		RK73FB2A273J	CHIP R	27K		1/10		IC2		*	TDA7420	ANALOGUE IC				
83	1	RK73FB2A393J	CHIP R	39K	J	1/10	/ I	IC3		*	BA3917-V4	ANALOGUE IC				
84		RK73FB2A473J	CHIP R	47K		1/10										
85		RK73FB2A101J	CHIP R	100		1/10		IC4		*	TDA7384A	ANALOGUE IC				
	1	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			_	.,						IC(DOLBY B				

E: Europe W: Without Europe P: Canada X: Australia K: U.S.A and Canada M: Without Eueope, U.S.A. and Canada

(402):KRC-402 (442):KRC-442 (302):KRC-302 (332):KRC-332 (222):KRC-222 (202):KRC-202

PARTS LIST

*New Parts

Parts without Part No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Ref.No.	A	N e w	Psrts No.	Description	Dest inati on	Ref.No.	A d	N e w	Psrts No.
96 97 97 98 98			2SC2412K DTC144EK UN2213 DTC144EK UN2213	TRANSISTOR DIGITAL TRAN. (402/442/302/332) DIGITAL TRAN. (402/442/302/332) DIGITAL TRANSISTOR DIGITAL TRANSISTOR		C1 C2 272 CN1			CK73FB1H223 CK73FB1H681 E29-1491-04 E59-0818-05
0101 0101 0102 0103 0104			DTA144EK UN2113 2SK536 2SA1037K 2SC2412K	DIGITAL TRANSISTOR DIGITAL TRANSISTOR FET TRANSISTOR TRANSISTOR		R1 ,2 R3 R4 ,5 R6 ,7 R8 -13			RK73EB2B471 RK73EB2B331 RK73EB2B471 RK73EB2B331 RK73FB2A102
0105 0106, 107 0106, 107 0108, 109 0110, 111			2SA1037K DTC114YK UN2214 2SB1443 DTC114YK	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR (402/442) DIGITAL TRANSISTOR		R14 -18 R19 D18 -23 IC1		*	RK73FB2A101 RK73FB2A623 RD6. 2Z LC75852E
0110, 111 0112, 113 0114			UN2214 2SB1443 2SB1184	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		01 01 02			DTC144EK UN2213 DTA144EK
Q115 Q116			2SC2412K DTC114YK	TRANSISTOR DIGITAL TRANSIST. (442/332/222)	м	92			UN2113
) E	TTE MEC
0116 0117 0118 0119, 120 0119, 120			UN2214 2SB1443 2SC2412K DTA144EK UN2113	DIGITAL TRANSIST. (442/332/222) TRANSISTOR (442/332/222) TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	М	1 2 3 4 5	2A 3B 3B 3B 3B		A10-2345-08 J21-7524-08 D14-0630-08 G01-2613-08 D10-2907-08
9121 9125 9125 9126 9126			2SC2412K DTC144EK UN2213 DTA144EK UN2113	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		6 7 8 9	3B 3B 2B 2B 3B		D13-1102-08 J90-0741-08 J19-4554-08 J11-0604-08 D10-2908-08
0127 0127 0201,202 0201,202 0203,204			DTC144EK UN2213 DTC143TK UN2216 DTC143TK	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR (402/442)		12 13 15 16 17	3B 3B 2B 2B 2A		G01-2695-08 J90-0742-08 E39-0059-08 D10-2752-08 D10-2753-08
0203, 204 0401, 402 0401, 402 0403 0403			UN2216 DTC144EK UN2213 DTA144EK UN2113	DIGITAL TRANSISTOR (402/442) DIGITAL TRAN. (402/442/302/332) DIGITAL TRAN. (402/442/302/332) DIGITAL TRAN. (402/442/302/332) DIGITAL TRAN. (402/442/302/332)		19 20 22 23 24	2B 1B 3A 3A 3A		J21-7528-08 D10-2909-08 D03-0308-08 D13-1103-08 D13-1104-08
TH1		*	NT732ATD33KJ	THERMISTOR		25	ЗА		D13-1105-08
TU1		*	W02-1511-05	FM/AM FRONT-END		26 27	3A 3A		D13-1106-08 D13-1107-08
SWIT	rCI			10:402/442 3-10:302/332/202/222		28 29	3A 3A		D10-2755-08 A11-0889-08
270 271 D1 -17 D1 -17 ED1	1E	*	B11-0911-04 B19-1050-03 B30-1349-05 B30-1395-05 B38-0640-05	OPTICAL DIFFUSER LIGHTING BOARD LED (402/442) LED (302/332/202/222) LIQUID CRYSTAL		30 31 32 33	3A 3A 3A 3A		G01-2618-08 D13-1111-08 D10-2756-08 D10-2757-08
PL1 PL1,2 PL1,2 PL2,3 PL4			B30-1305-05 B30-1306-05 B30-1306-05 B30-1306-05 B30-1305-05	LAMP (5.5V .125A) (402/442) LAMP (5.5V .125A) (302/332) LAMP (5.5V .125A) (202/222) LAMP (5.5V .125A) (402/442) LAMP (5.5V .125A) (402/442)		36 41 43 44 45	3A 2A 1B 1A 1B		G01-2614-08 D03-0309-08 E60-0801-08 D10-2758-08 D10-1346-08 G01-1574-08

Ref.No.	d d	N e w		Description	Dest inati on
C1 C2			CK73FB1H223KTA CK73FB1H681K	CHIP C 0.022UF K CHIP C 680PF K	-
272 CN1	1E	*	E29-1491-04 E59-0818-05	CONDUCTIVE RUBBER RECTANGULAR PLUG	
R1 ,2 R3 R4 ,5 R6 ,7 R8 -13			RK73EB2B471J RK73EB2B331J RK73EB2B471J RK73EB2B331J RK73FB2A102J	CHIP R 470 J 1/8W CHIP R 330 J 1/8W CHIP R 470 J 1/8W CHIP R 330 J 1/8W CHIP R 1.0K J 1/10W	
R14 -18 R19			RK73FB2A101J RK73FB2A623J	CHIP R 100 J 1/10W CHIP R 62K J 1/10W	
D18 -23 IC1 Q1 Q1 Q2		*	RD6. 2Z LC75852E DTC144EK UN2213 DTA144EK	ZENER DIODE MOS-IC DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR	
Q2			UN2113	TRANSISTOR	
	,			NISM ASSY(D40-1054-05)	
1 2 3 4 5	2A 3B 3B 3B 3B		A10-2345-08 J21-7524-08 D14-0630-08 G01-2613-08 D10-2907-08	CHASSIS ASSY MOUNTING HARDWARE (P.B. HEAD) SPRING ROLLER TORSION SPRING (PINCH ROLLER) SLIDER	
6 7 8 9 11	3B 3B 2B 2B 3B		D13-1102-08 J90-0741-08 J19-4554-08 J11-0604-08 D10-2908-08	GEAR TAPE GUIDE HEAD HOLDER CLAMPER SHIFT PLATE	
12 13 15 16 17	3B 3B 2B 2B 2A		G01-2695-08 J90-0742-08 E39-0059-08 D10-2752-08 D10-2753-08	H.G SPRING WASHER WIRING HARNESS PINCH ROLLER ASSY (F) PINCH ROLLER ASSY (R)	
19 20 22 23 24	2B 1B 3A 3A 3A		J21-7528-08 D10-2909-08 D03-0308-08 D13-1103-08 D13-1104-08	MOUNTING HARDWARE SLIDER REEL DISK GEAR GEAR	
25 26 27 28 29	3A 3A 3A 3A		D13-1105-08 D13-1106-08 D13-1107-08 D10-2755-08 A11-0889-08	GEAR GEAR GEAR (REV) ARM SUB CHASSIS ASSY	
30 31 32 33 34	3A 3A 3A 3A 3A		G01-2618-08 D13-1111-08 D10-2756-08 D10-2757-08 G01-2614-08	COMPRESSION SPRING GEAR ARM ARM TORSION SPRING	
36 41 43 44	3A 2A 1B 1A		D03-0309-08 E60-0801-08 D10-2758-08 D10-1346-08	REEL DISK ASSY CONNECTOR ARM SLIDER	

E: Europe W: Without Europe P: Canada X: Australia K: U.S.A and Canada M: Without Eueope, U.S.A. and Canada

(402):KRC-402 (442):KRC-442 (302):KRC-302 (332):KRC-332 (222):KRC-222 (202):KRC-202

ndicates safety critical components.

TENSION SPRING

PARTS LIST

*New Parts

Parts without Part No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

(D40-1054-05)

Ref.No.	A N	Psrts No.	Description	Dest inati on	Ref.No.	A i	e Psrts No.	Description	De ina on
5	d w	G11-1550-08	CUSHION	OII	157	1B	N09-4059-08	SCREW	- 0
7	1A	G01-2696-08	TORSION SPRING		158	2B	N19-2043-08	FLAT WASHER	
3	1A	J19-4451-08	HOLDER		159	2A	N19-2039-08	FLAT WASHER	1
9	1A	D10-2759-08	ARM		160	2B	N24-3020-60	E TYPE RETAINING RING	
3			SLIDER		161	2A	NO9-4058-08	SCREW	
)	1A	D10-2768-08	OLIDER		1,01	-	105 4000 00	Johney	
		000 1450 00	ELAT CODING		162	3В	N19-2050-08	FLAT WASHER	
1	18	G02-1153-08	FLAT SPRING					FLAT WASHER	
2	1A	609-0051-08	SPRING	1 1	163	2B	N19-2041-08		
,	2A	D14-0631-08	ROLLER		164	2B	N19-2042-08	FLAT WASHER	
,	2A	D14-0632-08	ROLLER	1 1	165	3A	N09-4092-08	SCREW	1
	2A	D10-2747-08	LEVER		166	2B	N09-4060-08	SCREW	
1	2A	601-2620-08	TENSION SPRING	1 1	167	3B	N09-4109-08	SCREW	
)	2A	G01-2621-08	TENSION SPRING		168	3B	N09-4110-08	SCREW	
	2A	D10-2912-08	LEVER		HD1	2B	T31-0214-08	PLAYBACK HEAD	
	2B	D10-2769-08	SLIDER		М1	2A	T42-0734-08	MOTOR ASSY	
	2B	G09-2006-08	SPRING		S1	2A	\$62-0813-08	SLIDE SWITCH	
		007 2000 00	0.112110						
	2B	609-2007-08	SPRING		\$2	2A	\$68-0803-08	PUSH SWITCH	
	3A	D10-2754-08	ARM		\$3	2B	\$62-0812-08	SLIDE SWITCH	
	2A	D13-1109-08	GEAR		1		1		
	24		TORSION SPRING			1 1			j
	3A	G01-2616-08							
	3B	D01-0605-08	FLYWHEEL ASSY						
	00	D16 0606 00	DELT.		1				1
	3B	D16-0606-08	BELT	1	1				1
	2A	G01-2619-08	COMPRESSION SPRING		1				i
	2B	D13-1110-08	GEAR						
	2B	D15-0909-08	PULLEY		1	1 1			
	2A	G01-2617-08	TORSION SPRING			1			1
					1				
	2B	D10-2760-08	ARM	_	1				1
	28	N09-4055-08	SCREW	1 1					1
	2A	D10-2761-08	ARM	1 1					1
	20		ARM						
	2B	D10-2762-08		 					
	1A	G01-2622-08	TENSION SPRING						
		D40 0740 00	LEVED						
	3B	D10-2749-08	LEVER			1 1			
	3A	N09-4056-08	SCREW	1 1					
	2A	D10-2763-08	ARM	1 1					
	2B	G01-2623-08	TENSION SPRING			1			
	2B	N19-2038-08	FLAT WASHER						
	1B	601-2697-08	TENSION SPRING	1 1					- 1
	18	D10-2913-08	LEVER						
	1B	D10-2914-08	LEVER						
	28	D10-2764-08	ARM						
	2B	G01-2625-08	TENSION SPRING						
	20	001-2025-00	TEROTOR OF HIMO						
	10	D10-2765-00	ADM		1				1
	1B	D10-2765-08	ARM						
	1B	G01-2626-08	TENSION SPRING	}					
	3B	N19-2035-08	FLAT WASHER						
	1B	010-2766-08	ARM						
)	1B	T94-0406-08	SOLENOID COIL						
1	1B	T94-0407-08	SOLENOID						1
2	1B	G01-2698-08	TENSION SPRING						
3	2B	D19-0604-08	PIN						
4	2B	G01-2627-08	TENSION SPRING	1 1				1	-
j	2B	N09-4009-05	SCREW						1
,	20	1109-4009-03	OOI/LH						Ì
1	20	N09-4009-05	SCREW						
1	3B								
3	3B	N19-2036-08	FLAT WASHER						
4	2A	N19-2037-08	FLAT WASHER		1				
5	1A	N84-2003-45	SCREW						1
6	1A	N24-3015-60	E TYPE RETAINING RING						

E: Europe W: Without Europe P: Canada X: Australia K: U.S.A and Canada M: Without Eueope, U.S.A. and Canada

(402):KRC-402 (442):KRC-442 (302):KRC-302 (332):KRC-332 (222):KRC-222 (202):KRC-202

PARTS DESCRIPTIONS

CAPACITORS

 $\frac{\text{CC}}{1}$ $\frac{45}{2}$ $\frac{\text{TH}}{3}$ $\frac{1\text{H}}{4}$ $\frac{220}{5}$ $\frac{\text{J}}{6}$

1 = Type ... ceramic, electrolytic, etc.

4 = Voltage rating

2 = Shape ... round, square, ect.

5 = Value

3 = Temp. coefficient

6 = Tolerance



· Capacitor value

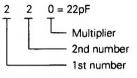
010 = 1pF

100 = 10pF

101 = 100pF

 $102 = 1000 pF = 0.001 \mu F$

 $103 = 0.01 \mu F$



· Temperature coefficient

1st Word	С	L	Р	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	Н	J	K	L
ppm/°C	±30	±60	±120	±250	±500
Example : C	C45TH =	-470 ±	60ppm/	°C	

· Tolerance (More than 10pF)

Code	С	D	G	J	K	М	Х	Z	Р	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40	+80	+100	More than 10μF - 10 ~ +50
							-20	- 20	-0	Less than 4.7μF -10 ~ +75

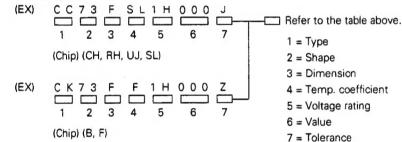
(Less than 10pF)

ĺ	Code	В	С	D	F	G
	(pF)	±0.1	±0.25	±0.5	±1	±2

Voltage rating

2nd word	Α	В	С	D	Ε	F	G	Н	J	K	٧
1st word											
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

· Chip capacitors



Dimension (Chip capacitors)

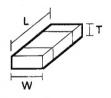
Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
Α	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
В	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
С	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

· Chip resistor (Carbon)

(EX)	R K	7 3	E	В	2 B	000	
	1	2	3	4	5	6	7
	(Chip) (B,F	-)				

Dimension



· Carbon resistor (Normal type)

(EX)						000	
	1	2	3	4	5	6	7

1 = Type

5 = Rating wattage

2 = Shape

6 = Value

3 = Dimension

7 = Tolerance

4 = Temp. coefficient

Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.1

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

SPECIFICATIONS

Specifications subject to change without notice.

FM Tuner section	
Frequency range(KRC-402/302/202))87.9 - 107.9 MHz
(KRC-442/332/222))87.5 - 108.0 MHz
Frequency step(KRC-402/302/202).	200 kHz
(KRC-442/332/222).	50 kHz
Channel space selection(KRC-402/	302/202)200 kHz(FIX)
(KRC-442/3	332/222)50/200kHz(SW)
Usable sensitivity (S/N=30dB)	9.3dBf(0.8 µ V/75 ohms)
Quieting Sensitivity (S/N=50dB)	15.2dBf(1.6 \(\text{V/75 ohms} \)
Frequency response (±3.0dB)	30 Hz - 15kHz
Signal to Noise ratio (MONO)	75 dB
Selectivity (±400kHz)	80 dB
Image response ratio	70 dB
IF response ration	120 dB
Stereo separation (1 kHz)	40 dB
AM Tuner section	
Frequency range(KRC-402/302/202)530 - 1700 kHz
(KRC-442/332/222)531 - 1611 kHz
Frequency step(KRC-402/302/202).	10 kHz
(KRC-442/332/222)	9 kHz
Channel space selection(KRC-402/	302/202)10 kHz(FIX)
(KRC-442/	332/222)9/10kHz(SW)
Usable sensitivity (S/N=20dB)	28dB µ (25 µ V)

Cassette Player section
Tape speed4.76 cm/sec.
Wow & Flutter (WRMS)0.12%
Frequency response
(KRC-402/442/302/332)(70 µS)30Hz - 16kHz (±3 dB)
(KRC-202/222)(120 µS)30Hz - 14kHz (±3 dB)
Stereo separation (1 kHz)43 dB
Signal to Noise ratio
(Dolby NR off)54 dB
(Dolby B NR on)(KRC/402/442/302/332)63 dB
Audio Section 35 W x 4 Maximum output power 35 W x 4 Full bandwidth power (at lass than 1%THD) 20 W x 4 Tone action (Bass: 100 Hz) ±10 dB (Treble: 10 kHz) ±10 dB Preout level/Load 1800mV/10k ohms Preout impedance 600 ohms
GeneralOperating voltage

Note: The specifications and design of this unit are subject to continued technical development and may be changed without notice.

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:

Component and circuity are subject to modification to insure best operation under differing local conditions. This manual is based on the General market(M) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD CORPORATION 14-6,Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150 Japan

KENWOOD SERVICE CORPORATION

P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de l'Panama

TRIO-KENWOOD U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.

Meachelsesteenweg 418, B-1930 Zaventern, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

TRIO-KENWOOD FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129, Milano, Italy

KENWOOD IBÉRICA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001499 074)

P.O Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane # 07-00, KENWOOD Building, Singapore, 349544
KENWOOD ELECTRONICS (MALAYSIA) SDN BHD

10th Floor, Block B, Wisma Semantan, No. 12 Janlan Gelenggang, Bukit Damansara,5/2490 Kuala Lumpur, Malaysia